

ABSTRACT OF THE DISCLOSURE

PROGRAMMABLE ADAPTER DEVICE FOR  
COMMUNICATION PROTOCOLS

This invention relates to a programmable adapter device between a higher level communication protocol supported by a higher level equipment (30) and at least one lower level communication protocol supported by a lower level automation equipment (40). The device comprises an adapter (20) provided with a first memory (25) containing a conversion program (15) between the higher level protocol and a lower level protocol, downloadable from the higher level equipment (30) and that can be executed by the adapter (20), and provided with a second non-volatile memory (26) containing a resident driver program (16) in order to initialise communication with the higher level equipment (30). A memory area (17) is used as an intermediate buffer to manage asynchronism between protocols. The lower level connecting cable (14) is used to identify a complete or partial identifier of the lower level protocol.

FIGURE 1.